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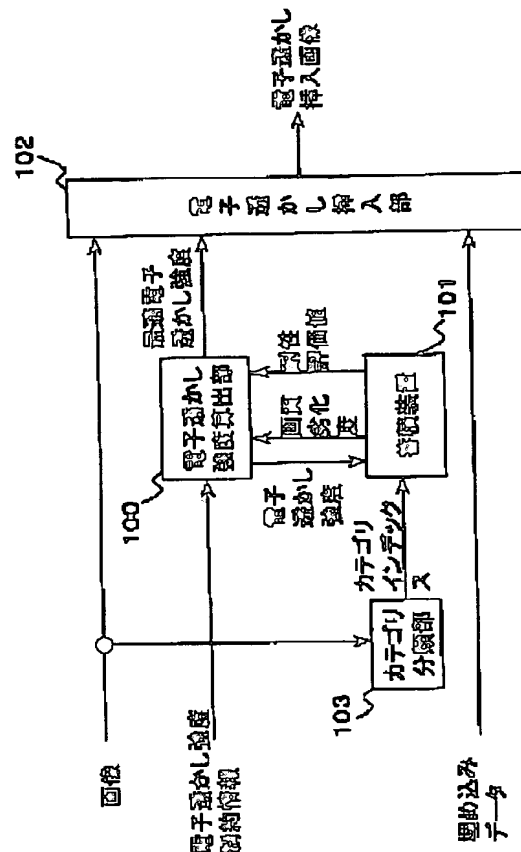
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APPLICANT : NEC CORP;

INVENTOR : OTA MUTSUMI;

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TITLE : ELECTRONIC WATERMARK
INSERTION SYSTEM, ELECTRONIC
WATERMARK CHARACTERISTIC
TABLE GENERATING DEVICE



ABSTRACT : PROBLEM TO BE SOLVED: To provide an electronic watermark insertion system that automatically calculates strength of a proper electronic watermark in response to a received image and inserts the electronic watermark to the image.

SOLUTION: An input image is classified by a category classification section 103 and provides an output of a category index. A storage device 101 stores an electronic watermark characteristic table where cross reference among strength of an electronic watermark, a degree of deterioration in image quality and an immunity evaluation against an attack is described for each category index, and an electronic watermark characteristic table in use is selected depending on the entered category index. An electronic watermark strength calculation section 100 outputs strength of electronic watermark to the storage device 101, calculates optimum electronic watermark strength by using the image quality deterioration, the immunity evaluation value outputted from the storage device 101 and restriction information entered by the user and provides an output. An electronic watermark insert section converts imbedded data into an electronic watermark and inserts an electronic watermark to a received image according to the entered optimum electronic watermark strength and provides an output of an image to which the electronic watermark is inserted.

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